

# Teachers' Retirement System Plan 3

## Member's Benefit Estimate Worksheet

This worksheet should answer some of the questions you may have regarding how your TRS Plan 3 defined benefit pension payment is calculated. To assist you in completing the worksheet, we have included an example of "John Doe's" retirement calculation. Please keep in mind that the results of this retirement benefit estimate are only estimated benefits based on projected salary and service credit. The information you obtain using the Estimate Worksheet is intended as a retirement planning tool, your actual defined benefit pension payment may be different as it will be based on final employer reporting. Keep in mind that the defined benefit is only one component of your retirement plan. Information about your Plan 3 defined contribution account can be obtained from your Quarterly Statement, or by contacting ICMA Retirement Corporation.

**You are eligible to retire with an unreduced benefit if you are at least age 65 and have at least:**

- 10 service credit years; or
- five service credit years, including 12 service credit months that were earned after attaining age 54; or
- five service credit years that were earned under Plan 2 as of July 1, 1996.

**You can retire as early as age 55 with a minimum of 10 service credit years. Your benefit will be actuarially reduced.**

### How service credit is counted

#### You earn

*If you work at least 9 months during a school year (September 1 - August 31)*

12 months of service credit



6 months of service credit



#### When you

when you earn service credit in the month of September and you are compensated for time in at least 9 months and receive compensation for at least 810 hours during the school year.

when you are compensated for time in at least 9 months and receive compensation for at least 630 hours but less than 810 hours during the school year.

*If your service doesn't qualify under the rules stated above, you can also earn service credit on a month to month basis*

1 month of service credit



.50 month of service credit



.25 month of service credit



receive pay for at least 90 hours in a month (includes paid sick leave and vacation).

receive pay for at least 70 but less than 90 hours in a month

receive pay for at least 1 but less than 70 hours in a month..

**Note:** If you are actively employed during the year you choose to retire, you must retire effective September 1, with a separation date of August 31, in order to receive a full year of service credit for the year.

### Delaying receipt of your benefit if you have 20 years of service credit

If you accumulate 20 or more years of service credit, then leave TRS-covered employment, the value of your defined benefit will increase by approximately 3 percent annually (0.25 percent per month) from the date of separation until you begin drawing a benefit.

## TRS Plan 3 Benefit Estimate

	You	John Doe
<b>Step 1: Determine your anticipated date of retirement.</b>  1. I will retire _____ years from now:		9 years
<b>Step 2: Determine your total service credit years at the time you retire.</b>  2a. My current balance of service credit years:		22
2b. The number of years until my retirement date:		9
2c. My projected service credit at retirement:		$22 + 9 = 31$
<b>Step 3: Estimate your Average Final Compensation.</b> The average monthly salary from my 60 consecutive highest paid service credit months is my Average Final Compensation or AFC.*  <small>*Severance pay, such as lump sum payments for unused sick, vacation, or annual leave cannot be included in the AFC. Depending on how far off your projected retirement date is (step 2b), your actual salary and AFC may differ from its current level. You may wish to estimate what your salary will be then figure an AFC based on those figures.</small>		\$3334
<b>Step 4: Compute your Standard benefit.</b> Also known as Option 1, the standard benefit provides the highest monthly benefit and stops when the retiree dies.  The Formula for the Standard Benefit: $1\% \times \text{service credit years} \times \text{AFC} = \text{monthly benefit}$  4a. My projected service credit years (2c) times 1%=		$31 \times .01 = .31$
4b. My AFC (3) times 4a = standard benefit.		$\$3,334 \times .31 = \$1,034 \text{ per month}$
<b>Step 5: Determine your benefit if you choose a Survivor Payment Option.</b> There are three Survivor options available. Under each of the options, the retiree receives an actuarial reduction of the Standard Benefit. The reduction is based on the joint life expectancy of you and your beneficiary. Use Table 1 on Page 4 to find your reduction factor, then calculate your benefit.  5a. Determine the age difference between you and your beneficiary. Round to the nearest year. (John Doe is one year older than his beneficiary.)		$56 - 55 = 1 \text{ year}$
<b>NOTE:</b> If you choose a Survivor Payment Option, and your beneficiary dies before you, your monthly benefit will be increased to a single life benefit level (Standard Option).		

## TRS Plan 3 Benefit Estimate

	You	John Doe
5b. Use the reduction factor from Table 1 to determine the Option 2 benefit. (4c x reduction factor = reduced benefit) Option 2 provides a survivor benefit that will be 100% of the retiree benefit.		Option 2 \$1,034 x .801 = \$828.23 per month
5c. Use the reduction factor from Table 1 to determine the Option 3 benefit. (4c x reduction factor = reduced benefit) Option 2 provides a survivor benefit that will be 50% of the retiree benefit		Option 3 \$1,034 x .889 = \$919.23 per month
5d. Use the reduction factor from Table 1 to determine the Option 4 benefit. (4c x reduction factor = reduced benefit) Option 4 provides a survivor benefit that will be 66.67% of the retiree benefit		Option 4 \$1,034 x .858 = \$887.17 per month
<b>Step 6: Calculating a reduction for early retirement.</b> 6a. Calculate your benefit the same as you would for a standard option benefit. (See Step 4.) For purposes of this example, let's say John retires at 61.		31 x .01 = .31 ..31 x \$3334 = \$1034
6b. Multiply the monthly benefit by the corresponding reduction factor from Table 2 on page 4. If you choose a survivor option, the survivor option reduction would occur after this one.		\$1034 x .66 = \$682.44 per month

### ***Terminating employment after 20 years of service***

Note: Once you accumulate 20 years of service, if you leave TRS-covered employment, your TRS Plan 3 benefit will increase by approximately 3 percent annually until you begin collecting a pension benefit or until you reach age 65. (If you receive your benefit before age 65, it will be reduced for early retirement.)

<b>Step 1: Determine your standard option benefit at the time you terminate service.</b> Use steps 1-4 on page 2.		\$666.80 (John has 20 years)
<b>Step 2: How many years after you leave service will you begin collecting a benefit.</b> 2a. Age when you begin collecting benefit. 2b. Age at separation from service. 2c. Subtract 2b from 2a.		65 -61 4 years
<b>Step 3: Adjust your original benefit</b> 3a. Use Table 3 on page 4 to find the compounding factor based on the answer to number 2c. (4 years)		1.1273
3b. Multiply your benefit x corresponding Factor. <b>NOTE:</b> To determine survivor payments multiply the result of step 3 by the appropriate reduction factor from Table 1.		1.1273 x \$666.80 = \$751.68 per month

## TRS Plan 3 Benefit Estimate

### Table 1: Survivor Benefit Options

	Age Difference	Option 2 100%	Option 3 50%	Option 4 66.67%
<b>Member Younger</b>	-15	0.934	0.966	0.955
	-14	0.929	0.963	0.952
	-13	0.925	0.961	0.949
	-12	0.921	0.959	0.946
	-11	0.916	0.956	0.942
	-10	0.911	0.953	0.939
	-9	0.906	0.951	0.935
	-8	0.900	0.948	0.931
	-7	0.895	0.945	0.927
	-6	0.889	0.941	0.923
	-5	0.884	0.938	0.919
<b>Member Older</b>	-4	0.877	0.934	0.914
	-3	0.865	0.928	0.906
	-2	0.855	0.922	0.899
	-1	0.839	0.912	0.887
	0	0.815	0.898	0.869
	1	0.801	0.889	0.858
	2	0.790	0.883	0.849
	3	0.781	0.877	0.842
	4	0.772	0.871	0.835
	5	0.765	0.867	0.830
	6	0.758	0.862	0.824
	7	0.751	0.858	0.819
	8	0.744	0.853	0.813
	9	0.737	0.849	0.808
	10	0.730	0.844	0.802
	11	0.724	0.840	0.797
	12	0.717	0.835	0.792
	13	0.711	0.831	0.787
	14	0.705	0.827	0.782
	15	0.699	0.823	0.777
	16	0.694	0.819	0.773
	17	0.688	0.815	0.768
	18	0.683	0.812	0.764
	19	0.678	0.808	0.760
	20	0.673	0.805	0.755

### Table 2 Early Retirement Factors

Your age at retirement	Benefit as percentage of age 65 benefit	
	If you have 20 but less than 30 years of service credit	If you have 30 or more years of service credit
55 years	37%	70%
56	40%	73%
57	43%	76%
58	49%	79%
59	55%	82%
60	61%	85%
61	67%	88%
62	73%	91%
63	82%	94%
64	91%	97%
65	100%	100%

### Table 3 Delayed Retirement

Years delayed	Compounding factor
1	1.0304
2	1.0618
3	1.0941
4	1.1273
5	1.1616
6	1.1969
7	1.2334
8	1.2709
9	1.3095
10	1.3494
11	1.3904
12	1.4327
13	1.4763
14	1.5212
15	1.5674